PATENT Atty. Docket No. SYP-116 (7783/109)

COMBINED DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION (Original, Design, National Stage of PCT, Supplemental, Divisional, Continuation or CIP)			
(Original, Design, National Stage of PCT, Supplemental, Divisional, Continuation of CIT)			
As a below named inventor, I hereby declare that:			
TYPE OF DECLARATION			
This declaration is of the following type: (check one applicable item below)			
original original			
design			
supplemental national stage of PCT			
divisional			
continuation			
continuation-in-part (CIP)			

INVENTORSHIP IDENTIFICATION

My residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TITLE OF INVENTION

METHODS AND KIT FOR HYBRIDIZATION ANALYSIS USING PEPTIDE NUCLEIC ACID **PROBES**

SPECIFICATION IDENTIFICATION

	SPECIFICATION		
the specifica	ation of which (check one):		
	is attached hereto.		
\boxtimes	was filed on October 4, 1996 as Application Serial No. 08/726,093 or		
	Express Mail No., as Serial No. not yet known and was amended on (if applicable).		
	was described and claimed in PCT International Application No filed on and as amended under PCT Article 19 on (if any).		
	ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR		
including	reby state that I have reviewed and understand the contents of the above identified specification, the claims as amended by any amendment referred to herein. Eknowledge the duty to disclose information which is material to the examination of this application with Title 37. Code of Federal Regulations, §1.56(a).		
PRIORITY CLAIM			
I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.			
(Check one:		
	no such applications have been filed.		
{	such applications have been filed as follows:		



EARLIEST FOREIGN APPLICATION(S), IF ANY FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

	Date of Filing	Priority Claimed	
Application	(mo., day, year)	Under 37 USC 119	
Country Number	(mo., day, year,		
		YES NO	
		YES NO .	
		YES NO	
ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO <u>THIS U.S. APPLICATION</u>			
CLAIM FOR BENEFIT OF EARLIER U.S. PROVISIONAL APPLICATION(S) I hereby claim priority benefits under Title 35, United States Code, §119(e) of any copending US provisional application for patent filed under the provision of Title 35, United States Code, §111(b).			
Check one:			
no such application(s) h			
such application(s) has(ve) been filed as follows:			
 -		STATUS	
U.S. APPLICATIONS	U.S. FILING DATE	60 taker 6 1996	
60/004,953 (Application Serial No.)	October 6, 1995 (Filing Date)	abandoned as of October 6, 1996 (Status) (patented, pending, aband.)	
(Application Serial No.) (Filing Date) (Status) (patented, pending, aband.)			

CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S)

Thereby claim the benefit under Title 35. United States Code, §120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S. FOR BENEFIT UNDER 35 USC 120:

U.S. APPLICATIONS

U.S. FILING DATE

STATUS

(Application Serial No.)

(Filing Date)

(Status) (patented, pending, aband.)

(Application Serial No.)

(Filing Date)

(Status) (patented, pending, aband.)

POWER OF ATTORNEY

As a named inventor. I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the United States Patent and Trademark Office connected therewith:

det dir out-	
Steven M. Bauer	Reg. No. 31,481
Paula A. Campbell	Reg. No. 32,503
Joseph A. Capraro, Jr.	Reg. No. 36,471
John J. Cotter	Reg. No. 38,116
Gillian M. Fenton	Reg. No. 36,508
Duncan A. Greenhalgh	Reg. No. 38,678
Edward Kelly	Reg. No. 38,936
Robin D. Kelley	Reg. No. 34,637
Douglas J. Kline	Reg. No. 35,574
John D. Lanza	Reg. No. 40,060
	Reg. No. 40,071
Robin R. Longo	Reg. No. 36,989
Thomas C. Meyers	Reg. No. 27,829
Edmund R. Pitcher	Reg. No. 40,137
Kurt Rauschenbach	Reg. No. 37,429
Gretchen A. Rice	Reg. No. 35,370
Christopher W. Stamos	Reg. No. 35,393
Robert J. Tosti	Reg. No. 35,722
Thomas A. Turano	Reg. No. 32,722
Michael J. Twomey	Reg. No. 38,349
Christine C. Vito	Reg. No. 39,061

Direct correspondence to:

Patent Administrator
Testa, Hurwitz & Thibeault, LLP
High Street Tower
125 High Street
Boston, MA 02110

Direct telephone calls to:

Thomas A. Turano (617) 248-7738

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may be parallely application or any patent issued thereon.

SIGNATURE(S)

Martin Fuchs Full name of sole or first inventor Inventor's signature	Denmark Citizenship 26 December 1996 Date
Uxbridge, Massachusetts Residence 11 Sophia Drive, Uxbridge Post Office Address	17A 01569
Michael Egholm Full name of sole or second inventor (if any)	Denmark Citizenship
Inventor's signature Lexington, Massachusetts	Date
Post Office Address	

CHECK PROPER BOX(ES) FOR ANY OF THE FOLLOWING ADDED PAGE(S) WHICH FORM A PART OF THIS DECLARATION

\boxtimes	Signature for third and subsequent joint inventors. Number of pages added 1
	Signature by administrator(trix), executor(trix) or legal representative for deceased or incapacitated inventor. Number of pages added
	Signature for inventor who refuses to sign or cannot be reached by person authorized under 37 CFR 1.47. Number of pages added
	Added pages to combined declaration and power of attorney for divisional, continuation, or continuation in-part (CIP) applicationNumber of pages added.
	A sharization of attorney(s) to accept and follow instructions from representative.
If no furt following	her pages form a part of this Declaration then end this Declaration with this page and check the sitem.
	This declaration ends with this page.

ADDED PAGES FOR ADDITIONAL INVENTORS

A Land Cliffords	U.S.A.
Heather O'Keefe	Citizenship
Full name of inventor	
	Data
Inventor's signature	Date
Lexington, Massachusetts	
Residence	
Post Office Address	
	China
Xian-Wei Yao	Citizenship
Full name of inventor	
	Data
Inventor's signature	Date
Framingham, Massachusetts	
Residence	
Post Office Address	

PATENT Atty. Docket No. SYP-116 (7783/109)

COMBINED DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

(Original, Design,	National Stage of PCT, Supplemental, Divisional, Continuation or CIP)	

As a below named inventor, I hereby declare that:

	TYPE OF DECLARATION			
This declaration is of the following type: (check one applicable item below)				
\boxtimes	original			
	design			
	supplemental national stage of PCT			
	divisional			
	continuation			
	continuation-in-part (CIP)			
	TO THE PROPERTY OF THE PROPERT			

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TITLE OF INVENTION

METHODS AND KIT FOR HYBRIDIZATION ANALYSIS USING PEPTIDE NUCLEIC ACID **PROBES**

SPECIFICATION IDENTIFICATION

SI Licition			
the specificati	ion of which (check one):		
l	s attached hereto.		
$[\Sigma]$ \vee	was filed on October 4, 1996 as Application Serial No. 08/726,093 or		
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	was described and claimed in PCT International Application No filed on and as amended under PCT Article 19 on (if any)		
Δ	CKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR		
I hereby state that I have reviewed and understand the contents of the above identified specification. I hereby state that I have reviewed and understand the contents of the above identified specification. Including the claims as amended by any amendment referred to herein. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).			
PRIORITY CLAIM			
I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.			
Che	eck one:		
\boxtimes	no such applications have been filed.		
	such applications have been filed as follows:		



EARLIEST FOREIGN APPLICATION(S), IF ANY FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

Country	Application Number	Date of Filing	5 [*]	y Claimed 7 USC 119
			YES	NO 🗌
			YES	NO 🗌
			<u>YES</u>	NO [
ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO <u>THIS U.S. APPLICATION</u>				
CLAIM FOR BENEFIT OF EARLIER U.S. PROVISIONAL APPLICATION(S)				
I hereby claim priority benefits under Title 35, United States Code, §119(e) of any copending US provisional application for patent filed under the provision of Title 35, United States Code, §111(b).				
Check one:				
no such application(s) has(ve) been filed.				
such application(s) has(ve) been filed as follows:				
U.S. APPLICAT	TIONS U.S	. FILING DATE	5	STATUS
60/004,953 (Application Serial No.		ober 6, 1995 ng Date)		of October 6, 1996 nted, pending, aband.)
(Application Serial No.) (Filing Date) (Status) (patented, pending			pending, aband.)	

CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S)

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PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S. FOR BENEFIT UNDER 35 USC 120:

U.S. APPLICATIONS

(Application Serial No.)

U.S. FILING DATE

STATUS

(Status) (patented, pending, aband.) (Filing Date) (Application Serial No.) (Status) (patented, pending, aband.) (Filing Date)

POWER OF ATTORNEY

As a named inventor, I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the United States Patent and Trademark Office connected therewith:

Steven M. Bauer Paula A. Campbell Joseph A. Capraro, Jr. John J. Cotter Gillian M. Fenton Duncan A. Greenhalgh Edward Kelly Robin D. Kelley Douglas J. Kline John D. Lanza Robin R. Longo	Reg. No. 31,481 Reg. No. 32,503 Reg. No. 36,471 Reg. No. 38,116 Reg. No. 36,508 Reg. No. 38,678 Reg. No. 38,936 Reg. No. 34,637 Reg. No. 35,574 Reg. No. 40,060 Reg. No. 40,071 Reg. No. 36,989	
Robin D. Kelley Douglas J. Kline John D. Lanza	Reg. No. 34,637 Reg. No. 35,574 Reg. No. 40,060	

Direct correspondence to:

Patent Administrator
Testa, Hurwitz & Thibeault, LLP
High Street Tower
125 High Street
Boston, MA 02110

Direct telephone calls to:

Thomas A. Turano (617) 248-7738

DECLARATION

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SIGNATURE(S)

Martin Fuchs Full name of sole or first inventor	Denmark Citizenship
Inventor's signature Uxbridge, Massachusetts Residence	Date
Post Office Address Michael Egholm Full name of sole or second inventor (if any) Inventor's signature	Denmark Citizenship 12 11 96 Date
Lexington, Massachusetts	e, lexington, MA 02173

CHECK PROPER BOX(ES) FOR ANY OF THE FOLLOWING ADDED PAGE(S) WHICH FORM A PART OF THIS DECLARATION

\searrow	Signature for third and subsequent joint inventors. Number of pages added \underline{l} .	
	Signature by administrator(trix), executor(trix) or legal representative for deceased or incapacitated inventor. Number of pages added	
	Signature for inventor who refuses to sign or cannot be reached by person authorized under 37 CFR 1.47. Number of pages added	
	Added pages to combined declaration and power of attorney for divisional, continuation, or continuation in-part (CIP) applicationNumber of pages added.	
	Authorization of attorney(s) to accept and follow instructions from representative.	
If no further pages form a part of this Declaration then end this Declaration with this page and check the following item.		
	This declaration ends with this page.	

ADDED PAGES FOR ADDITIONAL INVENTORS

	U.S.A.
Heather O'Keefe	Citizenship
Full name of inventor	
	Date
Inventor's signature	
Lexington, Massachusetts	
Residence	
Post Office Address	
7-70	China
Xian-Wei Yao	Citizenship
Full name of inventor	12/12/90
Full name of inventor	Date
Inventor's signature	
,	
Residence	76 Framinoham. MA OTT
11 Educands Ra. Hit.	76 Frammoham. MACITUL
Post Office Address	

Combined Decla Page 8

eation And Power Of Attorney For Patent Application

ill name of inventor	Citizenship
ventor's signature	Date
ventor s signature	
esidence	
Ost Office Address	
	Citizenship
Full name of inventor	
Inventor's signature	Date
Residence	
Post Office Address	
Full name of inventor	Citizenship
Inventor's signature	Date
Residence	
Post Office Address	
	Citizenship
Full name of inventor	
Inventor's signature	Date
Residence	

Post Office Address

PATENT Atty. Docket No. SYP-116 (7783/109)

COMBINED DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION Continuation of CIP)		
(Original, Design, National Stage of PCT, Supplemental, Divisional, Continuation or CIP)		
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TYPE OF DECLARATION		
This declaration is of the following type: (check one applicable item below)		
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	continuation-in-part (CIP)	

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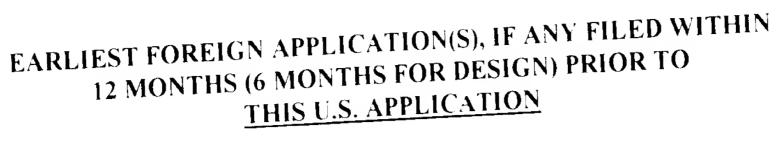
TITLE OF INVENTION

METHODS AND KIT FOR HYBRIDIZATION ANALYSIS USING PEPTIDE NUCLEIC ACID **PROBES**

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$\sum_{i=1}^{n}$	was filed on October 4, 1996 as Application Serial No. 08/726,093 or
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	PRIORITY CLAIM
application least one of foreign application	reby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign $n(s)$ for patent or inventor's certificate or of any PCT international application(s) designating at country other than the United States of America listed below and have also identified below any epilication(s) for patent or inventor's certificate or any PCT international application(s) designating the country other than the United States of America filed by me on the same subject matter having that the designation of the application(s) of which priority is claimed.
Che	eck one:
\boxtimes	no such applications have been filed.
	such applications have been filed as follows:





Aŗ	oplication	Date of Filing (mo., day, year)	Priority Claimed Under 37 USC 119
Country	Number	(mot, says	YES NO
			YES NO
			YES NO
ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION			
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U.S. APPLICATI	ons U	S. FILING DATE	STATUS
60/004,953 (Application Serial No.)	0	ectober 6, 1995 Filing Date)	abandoned as of October 6, 1996 (Status) (patented, pending, aband.)
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PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S. FOR BENEFIT UNDER 35 USC 120:

U.S. APPLICATIONS

U.S. FILING DATE

STATUS

(Status) (patented, pending, aband.) (Filing Date) (Application Serial No.) (Status) (patented, pending, aband.) (Filing Date) (Application Serial No.)

POWER OF ATTORNEY

As a named inventor, I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the United States Patent and Trademark Office connected therewith:

Direct correspondence to:

Patent Administrator
Testa, Hurwitz & Thibeault, LLP
High Street Tower
125 High Street
Boston, MA 02110

Direct telephone calls to:

Thomas A. Turano (617) 248-7738

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SIGNATURE(S)

Martin Fuchs Full name of sole or first inventor	Denmark Citizenship
run name of sole of the	Data
Inventor's signature	Date
Uxbridge, Massachusetts	
Residence	
Post Office Address	
Michael Egholm	Denmark
Michael Egholm Full name of sole or second inventor (if any)	Citizenship
Inventor's signature	Date
Lexington, Massachusetts	
Residence	

Post Office Address

CHECK PROPER BOX(ES) FOR ANY OF THE FOLLOWING ADDED PAGE(S) WHICH FORM A PART OF THIS DECLARATION

\boxtimes	Signature for third and subsequent joint inventors. Number of pages added 1	
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ADDED PAGES FOR ADDITIONAL INVENTORS

Heather O'Keefe Full name of inventor Massachusetts Residence	U.S.A. Citizenship 1/10/97 Date
Post Office Address	
Xian-Wei Yao Full name of inventor	China Citizenship
Inventor's signature	Date
Framingham, Massachusetts	
Residence	
Post Office Address	